

Valdez, Heather

From: Hedgpeth, Zach
Sent: Tuesday, May 12, 2015 10:52 AM
To: Valdez, Heather
Cc: Wong, Herman; Hall, Chris
Subject: FMC phosphine monitoring
Attachments: Ryan Waddell et al.pdf; Thorn Chodynieski et al.pdf

Heather,

Herman located the two attached papers discussing monitoring using electrochemical detectors and radio telemetry to measure ambient phosphine concentrations downwind of agricultural facilities being fumigated with phosphine.

These papers describe phosphine monitors capable of measuring phosphine on the order of 0.1 ppm. This is much higher than the risk-based screening concentrations discussed in the contractor report, so these monitors don't get us to an ambient monitoring level. However, I think they do indicate that our idea of continuous phosphine monitoring of the ponds with telemetry is practical and has precedent.

We'll continue the conversation as more is learned.

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